



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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No. 24] NEW DELHI, SATURDAY, JUNE 11, 1994 (JYAISTHA 21, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 11th June 1994

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Building, 5th, 6th and 7th  
Floor, 234/4, Acharya Jagadish  
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पेटेंट कार्यालय

एकस्थ तथा अभिकल्प

कलकत्ता, दिनांक 11 जून 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जिन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडरी इस्टेट,  
तीसरा तल, लोकर परेन (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोवा, वमन तथा  
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकक सं 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, कंगोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,

61, बालाजाह रोड,

मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिक्म तथा एमिनिविष द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अग्रशेष क्षेत्र ।

तार पता—“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में उप-  
क्षित सभी जामेदन-पत्र, सूचनाएं, विवरण या अन्य प्रत्येक पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शब्द :—शुल्कों की अदायगी या तो नन्द की जागगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य बनादेश  
अथवा डाक जायदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक में नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा बैंक द्वारा की जा सकती है ।

## REGISTRATION OF PATENT AGENTS

25th April, 1994.

The following persons have been registered as a Patent  
Agent under sub-section (1)(c)(i) of Section 126 of the Patents  
Act, 1970

1. Hemant Singh  
C-27, Greater Kailash Enclave-1  
New Delhi-110048
2. Amit Kumar Bandyopadhyay  
7/A, Nema Bose Lane,  
Calcutta-700006.

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGDISH BOSF ROAD.  
CALCUTA-20.

The dates shown in the crescent branch are the dates claim-  
ed under section 135, of the Patent Act, 1970

22nd April, 1994.

- 290/Cal/94 Associated Rt, Inc., System for locating as a  
source of bursty transmissions
- 291/Cal/94, Kabushiki Kaisha Medensha Improved elec-  
trode material for vacuum interrupter.
- 292/Cal/94, Giescke & devient GmbH An antifalsification  
paper.

293/Cal/94 Zinser Textmaschinen Gesellschaft Mit Bes-  
chränkter Haftung. Fly Frame.

294/Cal/94. FCCO, Inc Reecyclable Beverage Package with  
blow molded plastic container and oxygen barrier  
wrap

295/Cal/94. Commonwealth Scientific and Industrial Research  
Organisation. Apparatus for observing the pro-  
files of objects and materials (Convention No.  
PL. 8468; date 26-4-93; Australia-3.

26th April, 1994

296/Cal/94. Degussa Aktiengesellschaft. Method for produc-  
ing Granulated Sodium Percarbonate.

297/Cal/94. Degussa Aktiengesellschaft. Coated sodium  
percarbonate particles. A process for their pre-  
paration and their use

298 Cal/94 Robert John Neaves. Collapsable outdoor cook-  
ing device or incinerator

299/Cal/94. Frowa AG. An apparatus for clamping a  
work piece in a well defined position.

**APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT IODI ESTATES, 3RD FLOOR SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13**

**28-2-1994**

- 68/Bom/94. Rudra Narain Nevatia. Barrel vault assembly.  
69/Bom/94. Ghanshyam Shankar Tasgaonkar. Imp for forced air cooled I. C. Engines cylinder.  
70/Bom/94. Bhupat Labhshankar Pandya. An electronic kerosene gas stove.  
71/Bom/94 Indian Petro-chemicals Corporation Limited. A method for the single step catalytic alkylation of ethylbenzene and ethanol to para diethylbenzene.

**1-3-1994**

- 72/Bom/94. Babubhai Nanubhai Patel. An artificial rainer.

**2-3-1994**

- 73/Bom/94. Hindustan Lever Limited. Handling materials.  
74/Bom/94. Hindustan Lever Limited. Cosmetic composition.  
75/Bom/94. Hindustan Lever Limited. Immobilized proteins with specific binding capacities and their use in processes and products.  
76/Bom/94. Applied Electronics Limited and Director, Industrial Safety & Health. Alarm system for unmanned railway crossings.

**3-3-1994**

- 77/Bom/94 Dr. Pradeep Pande. Shield cum enhancer for headlights of motor vehicles.

**7-3-1994**

- 78/Bom/94. Hindustan Lever Limited. Improved properties.  
79/Bom/94. Kunhikaman Chaiil. Electraulics systems.  
80/Bom/94. M. Systems Ltd. Flash fire system.

**8-3-1994**

- 81/Bom/94. Steven Alan Wolfowitz. Non-adhesive ecologicallypure electroadhesion method of clamping and fixing materials.  
82/Bom/94. Dr. Prabhakar Anant Joshi. Jimmy proof door lock with autolatching and dead-locking.

**9-3-1994**

- 83/Bom/94. Calico Industrial Engineers Pvt. Ltd. A plant and a process to accomplish improved fabric preparation in continuous open width.  
84/Bom/94. Arvind Kumar Sharma & Vijay Kumar Paradkar. Modifying genotypes by selecting & mating individuals with superior embryo vigour as expressed during seed germination or foetal development in plant and animal kingdoms respectively.  
85/Bom/94. Hindustan Lever Limited. U.K. Priority dt. 11-03-93. Detergent manufacture.  
86/Bom/94. Hindustan Lever Ltd. U. K. Priority dt. 18-03-93. Detergent compositions.

**10-3-1994**

- 87/Bom/94. Indian Petrochemicals Corporation Ltd. A method for the single step catalytic alkylation of benzene to produce alkylbenzene.  
88/Bom/94. Indian Petrochemicals Corporation Ltd. A process for the synthesis of high silica metasilicate catalyst.

- 89/Bom/94. Indian Institute of Technology & A. Q. Contractor. T. N. S. Kumar, R. S. Srinivasa, R. K. Lal. A biosensor for measuring concentration of biomolecules.

- 90/Bom/94. Dilip Shantaram Dahanukar. Process for manufacturing rennet free, low fat, low cholesterol vegetarian cheese.

- 91/Bom/94. Dilip Shantaram Dahanukar. Automatic oscillator device for converting high volume high pressure continuous inlet flow of liquid into a low volume, high pressure non-continuous outlet flow of liquid jet for use in process industries including agricultural irrigation and crop spraying system.

- 92/Bom/94. Dilip Shantaram Dahanukar. Automatic oscillator device for converting high volume, high pressure continuous inlet flow of liquid into a low volume, high pressure non-continuous outlet flow of liquid jet for use in process industries, including agricultural irrigation and crop spraying system.

- 93/Bom/94. Avinash Bhaskar Ranade. Submersible monobloc educator pumpset.

**11-3-1994**

- 94/Bom/94. Amedabad Textile Industry's Research Association. Energy conservation in dyeing of polyester/cellulosic blend textile material.

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.**

**28th March, 1994**

- 226/Mas/94 K.U. Joseph. Lifting waterpedals operated pump.

- 227/Mas/94. Uppinangady Varadaraya Nayak. A razor head particularly for twin blade razor and a razor having in the razor head.

- 228/Mas/94. Barmag AG. Electric overhead conveyor with yarn package transfer.

- 229/Mas/94. Convertable Ply Ltd. Extra low voltage lamp adaptor.

- 230/Mas/94. A. Ahlstrom Corporation. A method and apparatus for circulating solid material in a fluidized bed reactor.

- 231/Mas/94. A Ahlstrom Corporation. Apparatus and method for circulating solid material in a fluidized bed reactor.

- 232/Mas/94. Purnakilla Limited. Chemical vaporizing assembly for heating vaporization device.

**29th March, 1994.**

- 233/Mas/94. Mitsui Mining & Smelting Co., Ltd. Cathodic Active material composition for dry cell's, method for preparing the same, and alkaline battery.

- 234/Mas/94. Rosemount Inc., Organic chemical sensor.

- 235/Mas/94. Rieter Ingolstadt. A process and apparatus for automatically setting the speed ratios between operating members of a draw frame.

- 236/Mas/94. Aardvark Pty. Ltd. Reciprocating piston machine. (March 29, 1993; Australia).

**30th March, 1994.**

- 237/Mas/94. F. L. Smidth & Co. A/s. Roller Press.

- 238/Mas/94. F. L. Smidth & Co. A/s. Separator for sorting of particulate material.

- 239/Mas/94. Kabushiki Kaisha Toyoda Idoshokki Seisakusho. Frame construction of spinning machine.

- 240/Mas/94. GI Corporation. Multilayer epitaxia structure and method for fabricating same.

- 241/Mas/94. GI Corporation. Gas flow system for CGD Reactor.
- 242/Mas/94. GI Corporation. Low cost method of fabricating epitaxial semiconductor devices.
- 243/Mas/94. Ludvig Svensson International B. V., Difficult to ignite, long-time UV-stabilised dropable curtain.
- 244/Mas/94.A. Ahlstrom Coropration. Method and apparatus for cleaning a filter drum used for thickening lime mud.
- 245/Mas/94. Babcock-Hitachi Kubushiki Kaisha. Wet-type flue gas desulfurization plant.
- 246/Mas/94. Cebal S. A. Tube with a head of plastics material comprising a tear off cover.

31st March, 1994

- 247/Mas/94. Srinidhi Hiremagalur Anantharaman. A improved space frame system.
- 248/Mas/94. Srinidhi Hiremagalur Anantharaman. A new space frame node.
- 249/Mas/94. American Telephone and Telegraph Company. Disconnect signalling detection arrangement.
- 250/Mas/94. Dekowe Schurholz Teppichfabrik GmbH. Woven floor covering.
- 251/Mas/94. Daniel Graham Ball. Pipe coupling (April 3, 1993; United Kingdom).
- 252/Mas/94. Lonza Ltd. A process for the production of 3-methylpyridine and 3-methylpyridine.

#### ALTERATION OF DATE UNDER SECTION-16.

The application No. 4/Bom/92 (173597) has been ante-dated to 08-08-1989, under section 16 of the Patents Act, 1970.

The application No. 5/Bom/92 (173598) has been ante-dated to 08-08-89, under section 16 of the Patents Act, 1970.

Patent No. 173610 (151/M 92) Ante-dated to 9th August, 1988.

Patent No. 173612 (883 M/91) Ante-dated to 1st Feb 1989.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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#### स्वीकृत सम्पूर्ण विनिर्देश

एनबीआर यह सूचना दी जाती है कि सम्बन्धित आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर अधिष्ठित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एक्सम्प्ले को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित उक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

स्वीकृत (चित्र आरेखों) की फोटो प्रतियां यदि कोई हो, के साथ विनिर्देशों की दृष्टि अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कार्यों को जोड़कर उसे 2 से गुणा करके; (व्यक्ति प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचयन किया जा सकता है।

CL 155 A, B, L.

173581

Int. Cl. D O' H 3/00, 3/08, 3/12, 3/14, 3/16

“APPARATUS FOR BONDING FLAT TEXTILE CUTS”.

Applicant : IMPULS-APPARATEBAU JAEGER & SOHN GMBH. INDUSTRIEGEBIET PINACHE". OF D-7130 MUHLACKER, WEST GERMANY.

Inventor : RAINER G. JAEGER.

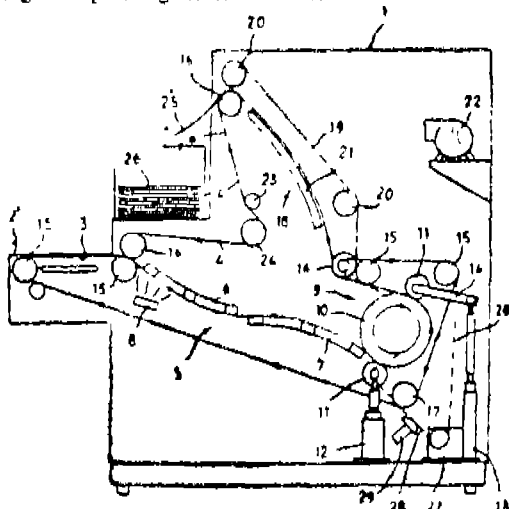
Application No. 433/Cal/89; filed on 05th June, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

12 claims

Apparatus for bonding flat textile cuts to one another or to cuts made from another material by means of a heat-reactivated adhesive comprising a feed table, a heating and pressing device connected thereto, a following cooling zone, a delivery station for the bonded cuts and a conveying means with a support belt and cover belt between which the cuts are conveyed in positionally stable manner through the heating and pressing device, characterized in that the conveying means has at least one further conveyor belt (19) located in the vicinity of the cooling zone (18) up to the delivery station (25) and

which takes over the cuts between in and a belt (4) behind the heating and pressing device (5, 9).



(Compl. specn.—15 pages)

Drgns. 3 sheets)

Cl. 58 B.

173582

Int. Cl. E 06 B, 1/00, 1/60

"MECHANICAL DEVICE FOR FIXING DOOR AND WINDOW PANELS AND SHUTTERS IN REINFORCED CONCRETE FRAMES".

Applicant & Inventor : UMA CHARAN KHAN OF 64/1, NETAJI SUBHAS ROAD; HOWRAH-711101 WEST BENGAL, INDIA.

Application No. 786/Cal/89; filed on 25th September, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

4 claims

A mechanical device for fixing door and window panels or shutters to a reinforced concrete frame comprises a galvanised iron strip bent to form seven continuous parts, having at least three segments at the bottom and three segments at the top part each part being at right angles to its adjacent parts, the top part having a depressed portion wherein one flap of the hinge is fixed the other flap remaining free for fixing the panel, the bottom parts being projected out at right angles from the two vertical limbs which drop from the ends of the top part, the lower ends of the projected parts having needle like points to be embedded within the reinforced concrete frame.

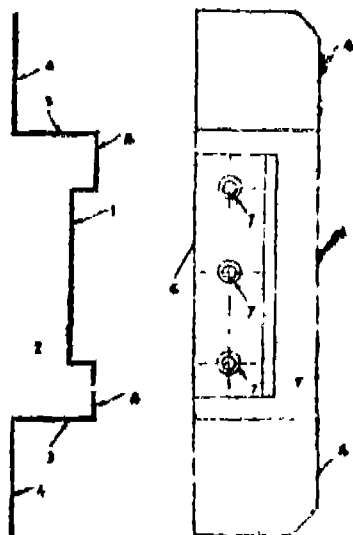


FIG. 1 (a)

FIG. 1 (b)

(Compl. specn.—5 pages)

Drgns. 1 sheet)

Cl. 65 A4, A2.

173583

Int. Cl. H 02 M 5/42.

"CONVERTING SINGLE PHASE SUPPLY TO THREE-PHASE SUPPLY".

Applicant & Inventor : SUJIT KUMAR BISWAS, OF 10, DOCTOR SURESH SARKAR ROAD, CALCUTTA-700014, WEST BENGAL, INDIA.

Application No. 836/Cal/89; filed on 06th October, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

4 claims

A static phase converter for energising and operating a three-phase load from a single-phase supply, comprising a circuit constituted by an autotransformer, a rectifier and an inverter, the autotransformer being provided at the input of the circuit, for deriving the required voltage, from the single phase supply, for the rectifier-inverter combination, and two controlled power switches forming part of the inverter circuit, said power switches being adapted to be controlled by a control circuit, for proper sequencing of the control pulses to the power switches, said control circuit essentially having means for generation of control signals to the two power switches so as to produce a pulse width modulated output voltage pattern at a fundamental frequency same as of the available supply, and means for the synthesised wave form to maintain a fixed phase shift with respect to the available sinusoidal supply.

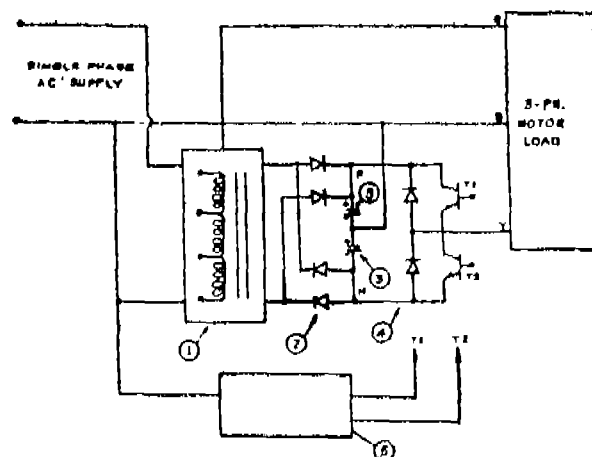


FIG. 1

(Compl. specn.—15 pages)

Drgns. 2 sheets)

(Provn. Specn.—9 pages)

Drgns. 1 sheet)

Cl. 194 C1.

173584

Int. Cl. H 01 J 9/42.

"DEVICE OF MEASURING CATHODE RAY TUBE CHARACTERISTICS."

Applicant : SAMSUNG ELECTRON DEVICES CO., LTD. OF 575, SIN-RI, TAEAN-EUB, Hwasung-Kun, Kyungki-Do, Republic of Korea.

Inventor : KIM, JAEKYUNG.

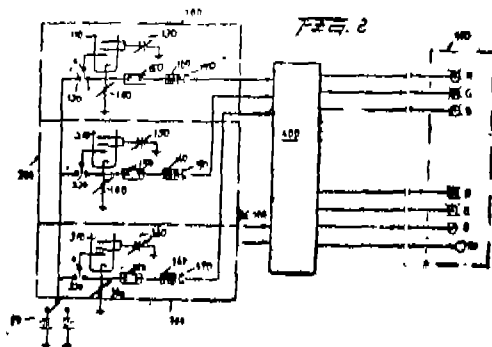
Application No. 944/Cal/89; filed on 15th November, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

3 claims

A device for measuring Cathode Ray Tube characteristics comprising a plurality of individual measuring devices respectively for measuring, controlling and displaying characteristics

of red (R), Green (G) and Blue (B) phosphor (G.G.B.), each said individual device being adapted to pass through a cut-off current measuring section and a maximum current measuring section of the respective (R), (G), (B) color cathode, of an electron gun, said electron gun being adapted to discharge electron beams for (R), (G), (B) display, the device also having individual respective current level detecting means for detecting said cut-off current and said maximum current for the respective R.G.B. and wherein all said current level detecting means are commonly connected to a programme controller, for processing the output signals of each current level detecting means by means of the system programme located therein to produce respective output signals; the said programme controller being coupled to a display means for displaying the respective characteristics of R.G.B. therein from the output signals of the programmable controller.



(Compl. Specn.—18 pages)

Drgns. 2 sheets)

Cl. 121.

173585

Int. Cl.<sup>4</sup> C 09 K 11/00, 11 02.

"METHOD OF OBTAINING AN IMPROVED PHOSPHOR FOR CATHODE RAY TUBES."

Applicant : KASEI OPTONIX, LTD. OF 12—7 SHIBADAEMON 2-CHOME, MINATO-KU, TOKYO 105, JAPAN.

Inventors : HIDEO FONO, AND TOMOHIRO MIYAZAKI.

Application No. 1017/Cal/89; filed on 08th December, 1989.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

4 claims

Methods of obtaining an improved phosphor for cathode ray tubes comprising :

obtaining by stirring or like an aqueous suspension of phosphor and zinc ions at a pre-determined temperature, optionally adding colloidal silica thereto, and adding to the suspension so obtained an alkaline solution, such as herein described, adjusting the pH of the mixture to a pre-determined pH level, such as herein described, while maintaining said temperature to form zinc oxide in colloidal form in the suspension, said colloidal zinc oxide attaching itself to the surface of the phosphor.

(Compl. specn.—31 pages)

Drgns. 7 sheets)

Cl. 62 D,

173586

Int. Cl.<sup>4</sup> D 06 M 13/30.

"A NOVAL COMPOSITION FOR SOFTENING-CUM-LUBRICATION OF JUTE FIBERS AS ADDITIVE TO JUTE BATCHING OIL (JBO) AN EMULSION OF JBO INCLUDING SAID COMPOSITION AND METHOD OF SOFTENING-CUM-LUBRICATION OF JUTE FIBERS WITH SAID EMULSION."

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, OF 17, TARATOLA ROAD, CALCUTTA-700088, WEST BENGAL, INDIA.

Inventors : (1) UTPAL KUMAR GHOSH, AND  
(2) SAMAR SENGUPTA.

Application No. 225/Cal/90; filed on 19th March, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

2 claims

A novel composition for softening cum lubrication of jute fibers as additive to jute batching oil comprising of an anionic softener being a sulphonated product of a non-edible oil such as castor oil, Linseed oil, Sal seed oil and the like, and a swelling agent such as diammonium carbamide and diammonium sulphamide in the ratio of 4 to 5 : 3 to 4 by weight.

(Compl. specn.—15 pages)

Drgns. Nil)

Cl. 133 A.

173587

Int. Cl.<sup>4</sup> B 22 D 11/00, 11/14.

"ARC TYPE PLANT FOR CONTINUOUSLY CASTING STEEL STRIPS WITH AN OSCILLATORY CONTINUOUS CASTING MOULD."

Applicant : CONCAST STANDARD AG. OF TODISTRASSE 7, 8027 ZURICH, SWITZERLAND.

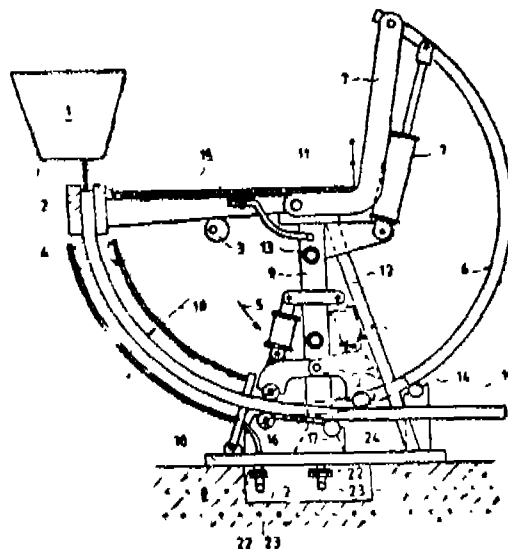
Inventors : (1) CARLOS ROS NAVARRO,  
(2) ADRIAN STILLI,  
(3) ADALBERT ROEHRIG.

Application No. 264/Cal/90; filed on 30th March, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

12 claims

Arc-type plant for continuously casting steel strands with an oscillatory continuous casting mould (2), secondary cooling apparatus (4), a driving straightening aggregate (5), a rigid started-bar (6) and apparatus (7, or 7') for guiding and moving the starting bar, characterised in that the continuous casting mould (2) with its oscillation guide (11), the driving straightening aggregate (5) and the rigid starting bar (6) with its guiding and moving apparatus (7 or 7') is constructed as a self-supporting unit for a respective strand core and which can be deposited at the casting site as an assembled and aligned module unit.



(Compl. specn.—13 pages)

Drgns. 1 sheet)

CL 127 I.

173588

Int. Cl.<sup>4</sup> F 16 H 25/22.**"REVERSIBLE BALL SCREW AND RACER NUT ASSEMBLY."**

Applicant : KINGSLEY CORPORATION (P) LTD., OF 7, Chittaranjan Avenue, Calcutta-700 072, India.

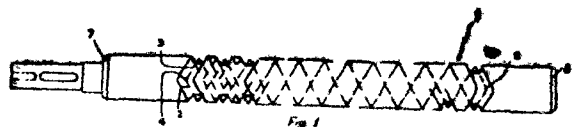
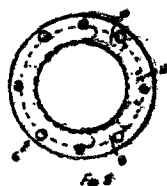
Inventors : (1) MR. KISHAN KHAITAN, and  
(2) MR. BASANT KHAITAN.

Application No. 293/Cal/90; filed on 09th April, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

6 claims

A reversible ball screw and racer nut assembly, the reversible ball screw comprising threads disposed at angle with respect to the axis of rotation of the reversible ball screw, characterised in that the threads starting at one end of the reversible ball screw, extends spirally along the length of the reversible ball screw in both directions and terminating, at one point of the other end of the reversible ball screw, and that the racer nut at least comprises, two pockets being in form of holes in that face of the racer nut which moves in contact with the ball screw, said leading pocket being an elliptical hole in which a spherical ball is adapted and the lagging pocket is a circular hole in which a spherical ball is adapted.



(Compl. specn.—9 pages

Drgns. 1 sheet)

Cl. 94 G.

173589

Int. Cl.<sup>4</sup> C 10 L 9/00.**"A NOVEL PROCESS AND APPARATUS OF SYSTEM FOR DRY BENEFICIATION OF COAL AND LIKE MINERALS."**

Applicant &amp; Inventor : MONOJ KUMAR CHOUDHURY, OF C/O. MR. A.C. DAS OF 6A, BALLYGONGI PLACE, CALCUTTA 700 019, WEST BENGAL, INDIA.

Application No. 528/Cal/90; filed on 25th June, 1990.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

16 claims

A novel process for beneficiation of low-grade coal and like minerals considered unsuitable for industrial purposes to obtain enriched, high-value coal, which comprises in combination—

- (i) feeding coal to a suitable device for crushing or pulverising such as herein described;
- (ii) separating coarse and heavier particles from the fine and lighter particles having different carbon contents by methods such as herein described.

(iii) collecting the separated coarse and fine fractions of coal, and

(iv) storing the separated fractions in at least two different storages such as herein described.

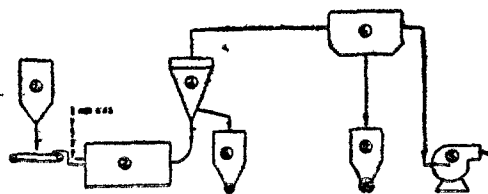


Fig. 1

(Compl. specn.—20 pages

Drgns. 2 sheets)

Cl. 55 D<sub>2</sub> EI F.

173590

Int. Cl.<sup>4</sup> A 61 K 31/715, 35/66.**"A METHOD FOR PREPARING A PALLET-LIKE FEED FOR ENHANCING HOST DEFENSE ACTIVITIES IN CRUSTACEA."**

Applicant : TAITO CO., LTD. OF 7-5, HONBASHI ODENMA-CHO, CHUO-KU, TOKYO, JAPAN.

Inventors : (1) YUKINORI TAKAHASHI, AND  
(2) TOSHIKI ITAMI.

Application No. 133/Cal/91; filed on 12th February, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

2 claims

A method for preparing a pallet-like feed for enhancing host-defense activities in crustacea, which comprises a step of addition of a glucan having a main chain consisting essentially of beta-1, 3-glucopyranosyl residues and mycelia of the glucan producible fungus, as herein described, at a concentration in the feed ranged from 0.001% to 10% by weight, on the basis of total weight of the feed, said glucan and said mycelia of the glucan-producible fungus being selected from the group consisting of schizophyllan, the mycelia of schizophyllan-producible fungus, scleroglucan and the mycelia of scleroglucan-producible fungus, and said feed comprising at least one member selected from the group consisting of fish meal, cuttlefish meal, cuttlefish-liver oil, beer yeast, various minerals various vitamins, gluten, casein and  $\alpha$  starch, kneading the feed, so obtained, with a predetermined amount of water to form a paste, charging the paste into an extruding machine to extrude the paste through an aperture of an internal diameter of 1.5 to 3.0 mm of the extruding machine and finally cutting the extruded feed into a length of 5 to 12 mm to obtain a pellet-like feed product having a diameter of from 1.5 to 3.0 mm and a length of from 5 to 12 mm.

(Compl. specn.—20 pages

Drgns. Nil)

Omd. Cl.-32 B[IX (1)]

173591

Int. Cl.-CO7 C-11/00.

**A FLOW IMPROVER FOR DIESEL FUEL.**

Applicants :—INDIAN OIL CORPORATION LTD., G-9, ALI YAVAR JUNG MARG, BANDRA (EAST) BOMBAY-400 051, MAHARASHTRA, INDIA.

Inventor : 1. AMBRISH KUMAR MISRA.

2. DEO RAO TUKARAM WAKADP

3. VINOD KUMAR SHARMA,

4. DR. SWAPAN NANDI,

5. DR. A KHILESH KUMAR BHATNAGAR,

6. DR. PRANAB KUMAR MUKHOPADHYAY.

Application No. 339/BOM/1990 Filed DEC. 20, 1990.  
Comp. after provisional left on MAR 13, 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office, Branch, Bombay-13.

### 3 claims

A flow improver for diesel fuel having wax dispersing characteristic comprising polymeric compounds as described herein in conjunction with ethylenic hydrocarbon and wherein the ratio of ethylenic hydrocarbon and vinylic ester in said copolymer is 65 : 35 to 75 : 25 wt %.

(Comp. specn.--8 pages  
(Prov. specn. 4 pages;

Drgns. Nil)  
Drgns. Nil)

Ind. Cl :-189, Gr. [LVI(9)] &  
32 F3 (a), Gr. [IX (1)].

173592

Int. Cl :- A 61 K-7/06, 7/075.

A PRESERVED COMPOSITION SUITABLE FOR TOPICAL APPLICATION TO MAMMALIAN HAIR OR SCALP FOR INDUCING, MAINTAINING OR INCREASING HAIR GROWTH.

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LIVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA INDIA.

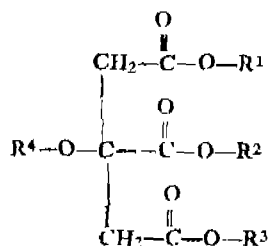
Inventors : (1) COLLUR VISWESWARIA NATRAJ,  
(2) GOVINDARAJAN RAMAN.

Application : WITH PROVISIONAL SPECIFICATION NO. 89/BOM/91 FILED ON 26-03-91. COMPLETE AFTER PROVISIONAL SPECIFICATION FILED ON 24-04-92.

Appropriate Office for opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

### 12 Claims

A preserved composition suitable for topical application to mammalian hair or scalp for inducing maintaining or increasing hair growth, which comprises; an effective amount of from 1% to 99% by weight of an ester or citric acid having the structure (1);



where R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> each independently represent a branched or unbranched alkyl, alkenyl, etyl, alkylaryl or arylalkyl group, each said group having from 1 to 18 carbon atoms,

R<sup>4</sup> represents H, or a branched or unbranched saturated or unsaturated acyl, alkyl, aryl, alkylaryl or arylalkyl group having from 1 to 18 carbon atoms, in the presence of from 1 to 99% by wt. of a cosmetically acceptable vehicle for the citric acid ester and in the absence of solid absorbent for the ester;

said effective amount of said ester being sufficient to increase hair growth in the rat, when said composition is applied topically thereto over a period of no more than three months, by at least 10% more than that obtainable using a

control composition from which the said ester has been omitted, in accordance with the Rat Growth Test.

(Prov. Specn. 58 pages,  
(Comp. Specn. 55 pages,

Drgs. Nil)  
Drgs. Nil)

Ind. Cl. 50 [VII (1)].

173593

Int. Cl. A 47 J - 41/00

A CONTAINER FOR MAINTAINING A BEVERAGE COOLED.

Applicants : EAGLE FLASK INDUSTRIES LTD  
EAGLE ESTATE, TALGAON-410 507  
PUNE, MAHARASHTRA, INDIA.

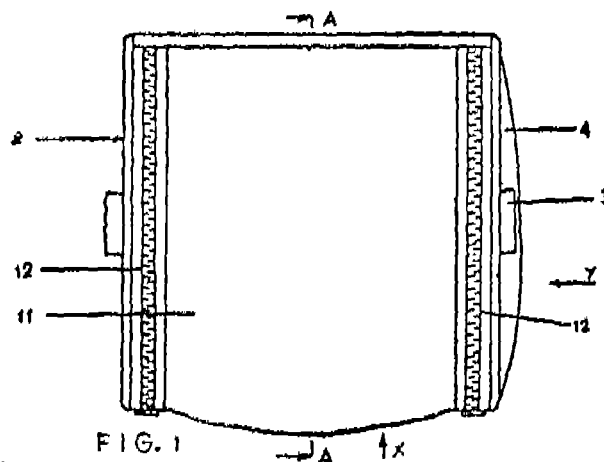
Inventor : NAUSHAD ISMAIL PADAMSEE

Application No. : 109/BOM/1991 filed Jul 5, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

### 8 Claims

A container for maintaining a beverage cooled consisting of a rigid outer shell made of a food grade good thermal insulator material, the lower end of said outer shell being provided with a tapered recess at the centre thereof and the upper end of said outer shell being provided with an open neck, a double walled jacket provided over said outer shell, the lower end outer periphery of said outer shell being reinforced by a good thermal insulator material support provided in the space between the lower ends outer peripheries of said outer shell and jacket, the upper end of said jacket being secured to the upper end of said outer shell in a liquid tight manner, the walls of said jacket defining a spacing therebetween which is filled with a good thermal insulator material, said jacket being provided with a carrying strap, fixed to the upper end thereof and a side pocket, a rigid inner shell made of a food grade poor thermal insulator material and disposed in said outer shell in spaced apart relationship therewith, the lower end of said inner shell being provided with a tapered portion registering with said tapered recess at the lower end of said outer shell and centered and located in said tapered recess, the upper end of said inner shell being open, said outer shell being provided with a tap made of a food grade good thermal insulator material and consisting of a tap body, one end of which is exposed into said outer shell and the other end of which is projecting out through said jacket in a liquid tight manner and disposed remote from said pocket and a valve provided in said tap body adapted to open and close said tap, a filter provided at said one end of said tap body, a closure provided over the neck of said outer shell and adapted to lay over and seal the upper end of said inner shell and neck of said outer shell and an openable flap one end of which is fixed to the upper end of said jacket and the other end of which is adapted to extend down to the lower end of said jacket over said closure and tap.



(Complete specification--13 pages;

Drawings 2 sheets)



Ind. Cl. : 129 G [XXXV]

173594

Int. Cl. : B 23 H-7/36

**AN ELECTRIC DISCHARGE MACHINE.**

Applicants : ELECTRONICA EXPORTS PVT. LTD.  
"ELEKTRA CHAMBERS", 44, MUKUND NAGAR, PUNE-  
411 037, MAHARASHTRA, INDIA.

Inventors : PRAKASH KRISHNA RATNAPARKHI.

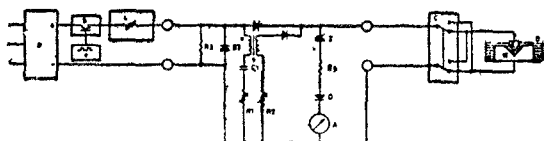
Application No. 134/Bom/1991 filed on May 9, 1991.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office, Bombay Branch

**4 Claims**

An electrical discharge machine comprising an electrode tool and a workpiece spaced apart by a machining gap bathed in dielectric liquid, said electrode tool and workpiece being connected, via a polarity means, to an erosive pulse generator means for generating a succession of rectangular erosive current pulses in the machining gap, the erosive pulse generator comprising a d.c. voltage source, a current limiting means and an oscillator controlled by an electronic switch which controls the duration and intervals of the erosive pulse, characterised in that the electrical discharge machine includes

a circuit for generating non-erosive pulses, for controlling the ignition of the electric discharge of the said erosive pulses and thereby reducing electrode tool wear; said circuit consisting of a step-up transformer, the primary winding of which is connected across the said erosive pulse generator means through a capacitor and a resistor connected in series and the secondary winding of which is connected to the machining gap through a series combination of a diode and a resistor and the polarity changer means and a diode connected in series between the output of the erosive pulse generator means and the said polarity changer means to isolate the said step-up transformer from the erosive pulse generator means.



Compl. Specn 10 pages

Drgs. 2 sheets

Ind. Cl. : 116 G &amp; H Gr. [XLIX]

173595

&amp; 48 D2. Gr. [LVIII(3)]

Int. Cl. : B 66 D-3/00; 1/00

**AN IMPROVED UNDERGROUND TELEPHONE CABLE PULLING SYSTEM.**

Applicants : GARWARE-WALL R & D, DIVISION, A DIVISION OF GARWARE-WALL ROPES LTD., PLOT NO. 11, BLOCK D-1, MIDC, CHINCHWAD, PUNE-411019, MAHARASHTRA STATE, INDIA, AN INDIAN COMPANY DULY REGISTERED AND INCORPORATED UNDER THE COMPANIES ACT, 1956.

Inventor : RAMESH MANJANATH TELANG.

Application No. 183/Bom/91 filed on 24-06-91.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

**1 Claims**

An improved underground telephone cable pulling system comprising a hydraulic winch worked by a suitable prime mover preferably a diesel engine, a hydraulic pump to create pressure, the fluid under pressure passing through a flow control valve and a direction control valve operating a hydraulic motor connected to a reduction gear box, one end of the said gear box shaft being provided with the capstan drum having a few loops of a nylon pulling rope characterised in that the said pulling rope is connected to one end of a swivel joint, the other end of which is connected to a woven metal sock, the said sock gripping inside the free end of the optic fibre telephone cable, the said system being mounted on

an integrally formed low base hollow concealed structural steel work, the said hollow concealed structural steel work being filled with hydraulic oil for running the hydraulic pump motor in the known manner.

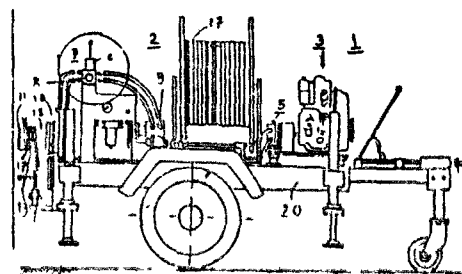


Fig. 1



FIG. 3

Compl. Specn. 5 pages

Drgs. 2 sheets

Ind. Cl. : 63 G, I

173596

Int. Cl. : H02 K 7/18

**A PEDAL OPERATED AC POWER GENERATING DEVICE.**

Applicants : CROMPTON GREAVES LTD., 1, DR. V B GANDHI MARG, BOMBAY-400 023, MAHARASHTRA INDIA.

Inventors : (1) DR HALNAD VASANTHA KUMAR SHETTY & (2) NAGARAJ RAVI.

Application No. 190/Bom/91 filed on Jun 28, 1991.

Appropriate office for opposition proceedings (Rules 4, Patents Rules 1972) Patent Office, Bombay Branch.

**8 Claims**

A pedal operated ac power generating device consisting of a structural frame, a permanent magnet generator of salient pole construction with a rating of 250-400 watts output mounted on said frame, a pedal operated two stage drive system mounted on said frame and connected to the shaft of said generator said two stage drive system including a torque smoothener in the first stage thereof and switch means and measuring means electrically connected to the output terminals of said generator and housed in a module which is mounted on said drive system.

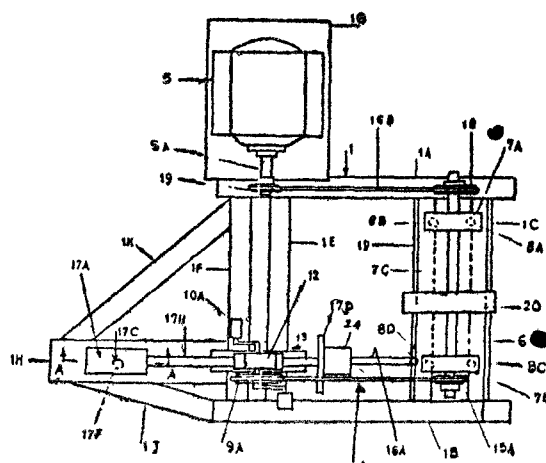


FIG. 1

Compl. Specn. 16 pages

Drgs. 4 sheets

Ind. Cl. : 140 A2 & 32 F4 Gr. [XI(2)] & 173597  
[IX(1)]

Int. Cl. : C07C-154/02 & C10M-135/14

# AN IMPROVED PROCESS FOR PREPARING DI-OR BIS ALKYL XANTHATES.

Applicants : INDIAN OIL CORPORATION LIMITED, 254-C, DR. ANNIE BESANT ROAD, BOMBAY-400025, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : 1. YOGESHWAR KUMAR GUPTA, 2. KRISHAN KUMAR SWAMI, 3. KANDISSERJI CHELIAPAN JAYAPRAKASH, 4. BISWAJIT BASU, 5. AMBRISH KUMAR MISRA, 6. AKHILESH KUMAR BHATNAGAR & 7. JAGJIT RAI NANDA.

Application No. 04/Bom/92 filed on 03-01-92.

Divisional to 219/Bom/89 of 08-08-89.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 2 Claims

An improved process for preparing di-or bis-alkyl xanthates which comprises reacting alkali metal xanthates with a halogen containing aliphatic/aromatic compound as herein described characterized in that said reaction is carried out in a hexane-water mixture in the presence of phase transfer catalyst such as tricaprylmethyl ammonium chloride for a time of between 0.5-1.0 hour under vigorous stirring whereafter the reaction product is recovered in a conventional manner.

Compl. Specn. 21 pages

Drgs. Nil

Ind. Cl. : 140 A2 & 32 F4 [XI(2)] & 173598  
[IX(1)]

Int. Cl. : C07C-154/02 & C10 M-135/14

# AN IMPROVED HYDROCARBON LUBRICATING COMPOSITION.

Applicants : INDIAN OIL CORPORATION LIMITED OF 254-C, DR. ANNIE BESANT ROAD, BOMBAY-400 025, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : 1. YOGESHWAR KUMAR GUPTA, 2. KRISHAN KUMAR SWAMI, 3. KANDISSERIL CHELLAPAN JAYAPRAKASH, 4. BISWAJIT BASU, 5. AMBRISH KUMAR MISRA, 6. AKHILESH KUMAR BHATNAGAR & 7. JAGJIT RAI NANDA.

Application No. 05/Bom/92 filed on 03-01-92

Divisional to 219/Bom/89 of 08-08-89.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 6 Claims

An improved hydrocarbon lubricating composition comprising a known lubricating oil as herein described and di-or bis alkyl xanthates incorporated in the said oil in 0.3 to 1.0% by weight of the composition, the said alkyl xanthates having been prepared by the process as claimed in copending application No. 219/Bom/89 (171122) or copending Application No. 4/Bom/92.

Compn. Specn. 26 pages

Drgs. Nil

Ind. Cl. 128 K G. [XIX(2)] 173599

Int. Cl. : A 61 B-1/30

# AN IMPROVED ILLUMINATED PROCTOSCOPE.

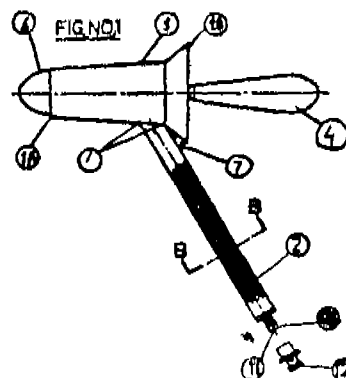
Applicant & Inventor : TILAK RAJ CHAUDHARY, 32/2, MEGHAL INDUSTRIAL ESTATE, DEVIDAYAL ROAD, MULUND (W), MAHARASHTRA, INDIA.

Application No. 117/Bom/92 filed on Apr 10, 1992.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 4 Claims

An improved illuminated proctoscope comprising a hollow body preferably made tapered forming a narrow front end and broad collar rear end, an obturator with a collar at one end fitted with a handle slidably provided inside the said hollow body, the other end of the obturator projecting out of the said narrow front end of the body being rounded, a hollow handle being provided near the said broad collar rear end of the body one end of the said hollow handle being projected slightly inside the said hollow body and being bent towards the narrow front end of the said hollow body, the other end of the said hollow handle being provided with a nipple, a bunch of optical fibres being provided inside the said hollow handle extending from the said nipple, provided at the outer end, to the said bent inner end, inside the said hollow body, forming a tip for light emission, an adaptor being provided at the free end of the said nipple for connecting thereto one end of a flexible optical fibre cable, the other end of the said cable being connected to a bright light emitting device.



Compl. Specn. 3 pages

Drg. 1 sheet

Ind. Cl. : 194 C-6 [LXIII]  
68 E 3 [LVII]

173600

Int. Cl. : H05 B 41/14, H01R 31/06

# COMPOSITE ADAPTER FOR MINIATURE FLUORESCENT TUBE LIGHT FOR DIRECTLY PLUGGING INTO ANY STANDARD BULB HOLDER FOR GIVING HIGH INTENSITY REFLECTED LIGHT.

Applicant : HARRY DHAUL & SMT. LAXMI DHAUL, PARTNERS OF TRANS-MED INDIA, NO. 1 3RD FLOOR, MAHALAXMI INDUSTRIAL ESTATE, D.C. ROAD, GANDHI NAGAR, BOMBAY-400 013, MAHARASHTRA, INDIA.

Application No. 64/Bom/1992 filed on Feb 27, 1992.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972), Patent Office, Branch Bombay-13.

## 17 Claims

Composite adapter for Miniature Fluorescent Tube Light for directly plugging into any standard bulb holder for giving high intensity reflected light comprising a contact end piece at its rear end carrying input terminals for being connected to inputs of a standard choke/ballast fitted within a base forming casing therefor, forward end of said base having latch means for latching thereto corresponding catch means on a socket carrying screw threads and respectively carrying connectors connected to output side of said choke/ballast and a spring clip forming a latch for latching thereto plug end of a Miniature Fluorescent Tube Light and a mirror finish

polished reflector fitted with corresponding latch means on said base, adapted to get detachably fitted to said socket on said base by means of a reflector retainer ring.

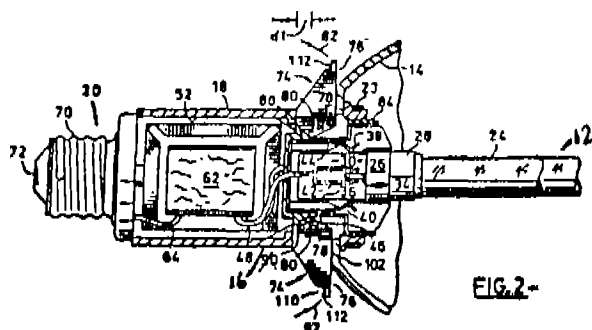


FIG. 2-

Comp. Specn. 19 pages

Drgs. 5 sheets

Class : 172-D & 4 [GROUP-XX]

173601

Int. Cl.<sup>4</sup> : D 01 H 9/00

AN APPARATUS FOR CHANGING ROVING BOBBINS IN AT LEAST ONE TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF WINTERTHUR, SWITZERLAND.

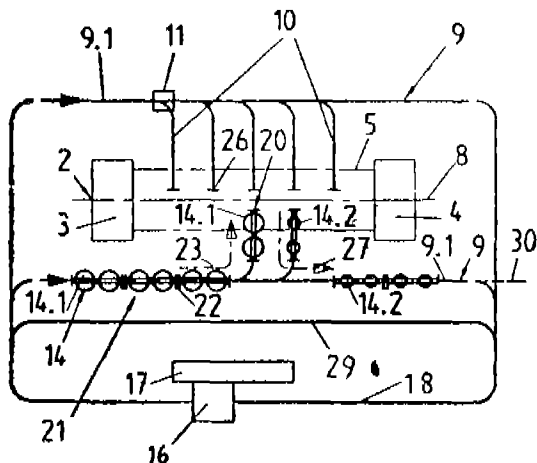
Inventors : (1) KURI RÖDER (2) ISIDOR FRIISCH (3) KURT BUECHI.

Application No. 631/Mas 88 filed on Sep. 7, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

An apparatus for changing roving bobbins in at least one textile machine having a plurality of operative positions for roving bobbins disposed along a centre plane of said textile machine comprising at least one overhead conveyor (3) extending longitudinally of said centre plane of the textile machine (2), a plurality of carriers (20) for carrying roving bobbins (14) movable along said conveyor (9) and a plurality of branches (10) extending from said conveyor (9) inclined to said centre plane of the textile machine (2), and above said operative position of the textile machine for guiding said carriers (20) thereon for bobbin supply and remover.



Comp. Specn. 14 pages

Drgs. 6 sheets

Ind. Class : 172-D<sub>4</sub>-[GROUP XX]  
98 G [VII(2)]

173602

Int. Cl.<sup>4</sup> : D 01 H 13 28

A TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

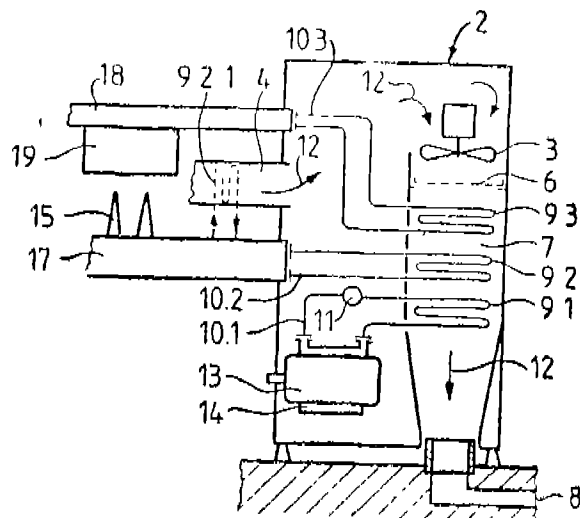
Inventors : (1) URS MEYER (2) ANDRE LATTION.

Application No. 887/Mas/88 filed on Dec. 14, 1988.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972), Patent Office, Madras Branch.

22 Claims

A textile machine comprising at least one heat-emitting part and an air duct; means for drawing an air stream through said textile machine to remove dust and fly therefrom and passing said air stream through said duct; and a cooling fluid circuit for circulating a cooling fluid in heat exchange relation with said heat-emitting part, said circuit having a re-cooling stage disposed in said duct for cooling of the cooling fluid in heat exchange with said air stream.



Comp. Specn. 24 pages

Drgs. 7 sheets

Ind. Class : 116-G - [GROUP-XLIX]

173603

Int. Cl.<sup>4</sup> : B 66 F 9/06

A TRUCK FOR TRANSPORTING ONE OR MORE FIBRE BALE(S).

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventors : (1) ROBERT DEMUTH (2) DENIEL HANSELMANN (3) MAX TENGGER.

Application No. 168/Mas/89 filed on Feb 28, 1989.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A truck for transporting one or more fibre bale(s) said truck comprising a body for receiving at least one fibre bale thereon; displacement means for displacing said body from place to place; locking means for locking said body in place;

a support rod pivotally mounted on at least one side of the said body for retaining the fibre bale on the said body, a brake disposed between said rod and said body to impose a braking force on said rod during a downward pivoting thereof, and securing means for securing said body to a body of adjacent second truck

(Compl. Specn 13 pages

Drgs 5 sheets)

Ind. Class 170 B - [GROUP XI III(4)]

1/3604

Int Cl. C 22 C 29/02

A METHOD FOR PRODUCING A CEMENTED CARBIDE BODY HAVING A TUNGSTEN CARBIDE PHASE, A BINDER PHASE AND A THIRD PHASE HAVING COBALT, TUNGSTEN, BORON AND CARBON

Applicant: VERMONT AMERICAN CORPORATION, A DELAWARE CORPORATION, OF 100 E LIBERTY STREET, LOUISVILLE, KENTUCKY-40202, U.S.A.

Inventor DONALD CPENNINGTON

Application No 191/Mas 89 filed on March 10 1989

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972), Patent Office, Madras Branch

9 Claims

A method for producing a cemented carbide body having a tungsten carbide phase, a binder phase, and a third phase having cobalt, tungsten, boron, and carbon comprising the steps of (a) preparing a shape containing a carbide material within a range of 85 to 95% by weight comprising a tungsten carbide phase, and a binder material within a range of 5 to 40% by weight comprising a binder phase formed from metals such as manganese, iron, cobalt, nickel, copper, aluminum, silicon, ruthenium, and osmium selected to form carbide binders when used alone or in combination with each other, or in combination with each other and with any of the IVB, VB, and VIB elements of the periodic chart such as titanium, zirconium, hafnium, vanadium, niobium, tantalum, chromium, molybdenum, tungsten, and combinations thereof, and (b) sintering, at a temperature of from 1400 to 1460°C said shape in the presence of a boron containing material within a range of 0.03% to 50% by weight of boron selected from the group consisting of boron powder, boron nitride, boron oxide, boron carbide AIB

AlB<sub>12</sub>, CIB<sub>3</sub>, CrB<sub>3</sub>, ClB<sub>3</sub>, MoB, NbB<sub>6</sub>, B<sub>3</sub>Si, B<sub>5</sub>Si, P<sub>6</sub>Si, TiB, TaB<sub>2</sub>, TiB<sub>2</sub>, WB, W<sub>2</sub>B<sub>3</sub>, W<sub>3</sub>B<sub>3</sub>, VB<sub>3</sub> and ZrB<sub>2</sub> such that boron from said boron-containing material migrate into said shape and become dispersed throughout the microstructure of the shape to a depth of at least 0.125 inches or completely throughout the shape if the shape is less than 0.125 inches thick forming a quaternary third phase having 50 to 95% by weight of tungsten, 50 to 50.0% by weight of binder, 0.1 to 6.5% by weight of carbon, and 0.5 to 10.0% by weight of boron

(Compl. Specn 36 pages

Drgs 9 sheets)

Ind. Cl. 32-1 [GROUP IX(1)]

173605

Int Cl. C 08 F 30/00

A PROCESS FOR PREPARING AN AMINOMETHYLPHOSPHONIC CHELATING RESIN

Applicant: THE DOW CHEMICAL COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors

- (1) JURGEN EIFFER
- (2) GERHARD JOEKEN
- (3) HANS-PETER SCHNEIDLER

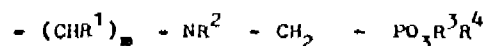
Application No 471/MAS/89 filed June 15, 1989

Convention date June 16, 1988, (No 8814275, Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A process for preparing an aminomethylphosphonic chelating resin containing aminomethylphosphonic chelating groups of the formula (I) of the accompanying drawing



#### FORMULA I

in which

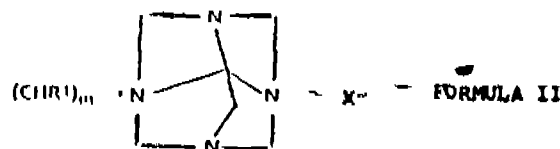
R<sup>1</sup> is hydrogen, alkyl, cycloalkyl or aryl

R<sup>2</sup> is hydrogen or PO R<sup>3</sup>R<sup>4</sup>

R<sup>3</sup> and R<sup>4</sup> each independently are hydrogen, alkyl, cycloalkyl or aryl, and

m is from 1 to 12,

comprising the steps of aminating the haloalkylated polymer beads with hexamethylenetetramine to obtain haloaminated beads containing hexamethylenetetramine mono-ammonium halide groups of the formula (II) of the accompanying drawing



in which R<sup>1</sup> and m have the meanings set forth above and X is halogen, hydrolysing and methylphosphonating the haloaminated beads in one single step at a temperature of 10°C to 150°C without addition of a substantial amount of formaldehyde or a formaldehyde releasing compound to obtain the aminomethylphosphonic chelating resin

(Compl. specn 35 pages

Drgs 1 sheet)

Ind Cl. 5b-D [GROUP—XXVI(3)]

173606

Int Cl. E 06 B 3/00

AN OPENING WINDOW FOR USE WITH CURTAIN WALL SYSTEMS

Applicant: DON REYNOLDS INTERNATIONAL LIMITED, A BRITISH COMPANY, OF PO BOX 16 CANAL ROAD, BRADFORD, BD2 1QS, GREAT BRITAIN

Inventor DONALD ARTHUR REYNOLDS

Application No 831/MAS/89 filed November 8, 1989

Convention date November 11 1988

(No 8826426 2, United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch

## 7 Claims

An opening window for use with curtain wall systems comprising an outer frame adapted to fit to the framework members of the curtain wall system and an inner frame bearing the glazed portion of the window, the inner frame and the outer frame being hingedly attached to one another and the glazed portion extending so as to be substantially coextensive with the outer frame.

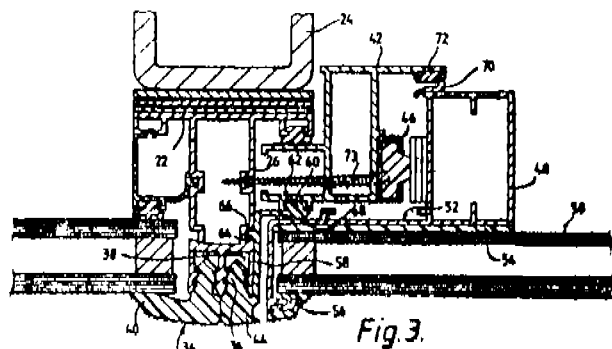


Fig. 3.

(Com. 10 pages;

Draws. 4 sheets)

Ind. Cl. : 152 E-[GROUP XII(2)]

1/3607

Int. Cl. : C 08 F 210 00.

## A PROCESS FOR PRODUCING BLENDED POLYMER RESINS.

Applicant: UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF 39 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817-0001, U.S.A.

Inventors: (1) KIU HEF LEE.

(2) FREDERICK JOHN KAROL.

(3) SARI BETH SAMUELS.

Application No. 836/MAS/89 filed November 15, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims (No drawing)

A process for producing a blended copolymer resin comprising contacting a mixture of ethylene, 0.1 to 3.5 mole of at least one alpha olefin having at least 3 carbon atoms per mole of ethylene and optionally 0.001 to 0.5 mole of hydrogen per mole of combined ethylene and alpha olefin with an active catalyst consisting:

(i) a catalyst precursor consisting essentially of magnesium, titanium, a halogen, and an electron donor;

(ii) at least one activator compound for the complex having the formula  $AlR''eX'Hg$  wherein  $X'$  is Cl or  $OR''$ ;  $R''$  and  $R'''$  are saturated aliphatic hydrocarbon radicals having 1 to 14 carbon atoms and are alike or different;  $f$  is 0 to 1.5;  $g$  is 0 or 1; and  $e=1-g=3$ ; and

(iii) a hydrocarbyl aluminium cocatalyst; in a gas phase in at least one fluidized bed reactor to form ethylene copolymer with low melt index in the range of 0.001 to 1.0 gm per 10 minutes, contacting a mixture of ethylene, 0.1 to 3.5 mole of alpha olefin per mole of ethylene and 0.5 to 3 moles of hydrogen per mole of combined ethylene and alpha olefin with the active catalyst defined above in at least one other fluidized bed reactor to form ethylene copolymer having high melt index in the range of 0.1 to 1000 gms per 10 minutes, the reactors in which the said low melt index ethylene copolymer and the said high melt index copolymer are formed being connected in series to transfer the ethylene copolymer formed in one reactor to the other immediately to obtain the blended copolymer resin; wherein additional hydrocarbyl aluminium cocatalyst is introduced into each reactor connected

In series following the first reactor in an amount sufficient to restore the level of activity of the catalyst transferred from the preceding reactor connected in series to the initial level of activity in the first reactor and both said low melt index copolymer and said high melt index copolymer have a density of 0.860 to 0.965 gms/cc and a melt flow ratio of 20 to 70.

(Com. 26 pages).

Ind. Cl. : 90-A&amp;E-[GROUP-XXXVI]

173608

Int. Cl. : C 03 B 11/06.

## APPARATUS FOR CHANGING A PLUNGER ON A MOLTEN GLASS PRESS.

Applicant: O-I NEG TELEVISION PRODUCTS INC., OF ONE SEAGATE, TOLEDO, OHIO-43666, UNITED STATES OF AMERICA, A U.S.A. COMPANY.

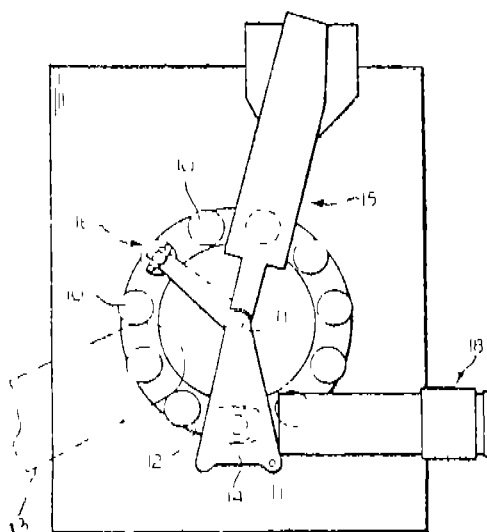
Inventor: SCOTT L. RATHLER.

Application No. 63/MAS/90 filed January 22, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 9 Claims

An apparatus for changing a plunger on a molten glass press of the type in which a series of molds are moved into and out of a pressing station where a pressing plunger is vertically reciprocated on a vertical axis of the press toward and away from the mold at the station, comprising a dual plunger handler, carriage means for supporting the handler for horizontal movement into and out of position adjacent the pressing station on said press, plunger supporting means on said handler for supporting a pair of plungers on opposite sides of a vertical axis, means on said carriage for raising and lowering said handler, horizontal guide means for supporting said carriage, said guide means extending from adjacent the vertical axis of the press to a remote position, means connected to said carriage for reciprocating the carriage on the guide means to move the handler and plunger supporting means in one direction into position to receive the plunger and in the opposite direction for carrying the plunger away from the press to the remote position.



(Com. 19 pages;

Draws. 8 sheets)

Ind. Cl. : 33-A-[GROUP-XXXIII(3)]

173609

Int. Cl.<sup>4</sup> : B 22 D 11/06.

DEVICE FOR CONTINUOUSLY CASTING LIQUID METAL BETWEEN TWO ROLLS.

Applicant: INSTITUT DE RECHERCHES DE LA SIDERURGIE FRANCAISE "IRSID", A FRENCH COMPANY OF IMMEUBLE ELYSEES-LA-DEFENSE-19, LE PARVIS-LA DEFENSE 4, 92800-PUTEAUX, FRANCE.

Inventors : (1) BLIN PHILIPPE.  
(2) WEBER GEORGES.  
(3) BARAT IACQUES.

Application No. 367/MAS/90 filed May 14, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 6 Claims

Device for continuously casting liquid metal, comprising two parallel horizontal rolls spaced a predetermined distance apart and delimiting therebetween a space for receiving liquid metal cast as a flat product under the rolls, and plates for closing ends of said space, disposed alongside the end surfaces of the rolls, or alongside an end surface of one roll and alongside a part of the cylindrical surface of the other roll if the two rolls are axially offset, characterized in that the device comprises rolling members interposed between said closing plates and said surfaces of the rolls for maintaining a constant predetermined clearance between said surfaces and said plates during the casting.

(Com. 11 pages;

Drawgs. 2 sheets)

Ind. Cl. : 60-B&amp;D-[GROUP-LXVI(3)]

173610

Int. Cl.<sup>4</sup> : A 41 H 37/00.

A FASTENER ATTACHING APPARATUS.

Applicant: SCOVILL JAPAN KABUSHIKI KAISHA, A JAPANESE CORPORATION OF 22-1, ICHIBANCHO, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) YOSHIHIKO HASEGAWA.  
(2) NORIYOSHI SUYAMA.

Application No. 151/MAS/92 filed March 12, 1992.

Divisional to Patent Application No. 566/MAS/88 filed August 9, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 5 Claims

A fastener attaching apparatus comprising a plurality of rotating hoppers as fastener supplying sources, guide tracks (chutes) extending from said hoppers toward lower positions,

guide grooves horizontally extending through lower and outlets of said guide tracks toward an upper mold and a lower mold, push rods sliding in said guide grooves to push fasteners coming from said guide track outlets into said upper and lower molds, and power sources associated with said push rods wherein the said hoppers are driven by a plurality of reversible electric motors through transmission means, and said electric motors and transmission means are constituted to drive selected one or two of said hoppers by a selection setting means.

(Com. 26 pages;

Drawgs. 9 sheets)

Ind. Cl. : 32-Fa(c)-[GROUP-IX(1)]

173611

Int. Cl.<sup>4</sup> : C 07 F 3/06.

A PROCESS FOR PREPARING A ZINC CONTAINING POLYMER COMPLEX SUCH AS ZINC GLYCEROLATE POLYMER OR ZINC PROPANETRIOLATE.

Applicants: MICRONISERS PTY. LTD., AUSTRALIAN COMPANY NO. 006 825, 538 OF 8 ENGLAND STREET, DANDENONG, VICTORIA AUSTRALIA; AND UNILEVER AUSTRALIA LIMITED, AN AUSTRALIAN COMPANY NO. 004 050 828, OF 164 INGLES STREET, PORT MELBOURNE, VICTORIA, AUSTRALIA.

Inventor: MICHAEL ARY BOS.

Application No. 876/MAS/91 filed November 26, 1991.

Convention date: November 27, 1990; (No. PK 3559; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 5 Claims

A process for preparing a zinc containing polymer complex such as zinc glycerolate polymer or zinc propanetriolate polymer comprising the steps of reacting at a temperature ranging from 120 to 180 degrees centigrade sufficient to allow reaction therebetween, a divalent metal compound containing zinc such as one or more of zinc oxide, zinc carbonate, zinc hydroxide, zinc acetate, zinc benzoate and zinc sulphide optionally together with one or more of calcium oxide, calcium carbonate, calcium hydroxide, calcium acetate and calcium benzoate, with a polyhydroxy compound such as glycerol or propanetriol, in the presence of an acid or acid salt catalyst such as herein described, wherein the said divalent metal compound containing zinc and the said polyhydroxy compound are in substantially stoichiometric amounts, and thereafter isolating the zinc containing polymer complex by known methods.

(Com 24 pages).

Ind. Cl. 55-F-[GROUP-XIX(1)]

173612

Int. Cl.<sup>4</sup> : A 61 B 19 00.**A METHOD FOR PREPARING A DIAGNOSTIC KIT.**

Applicant: ASTRA RESEARCH CENTRE INDIA, A REGISTERED SOCIETY, OF 16TH CROSS, MALLESWARAM, BANGALORE-560 003, KARNATAKA

Inventors : (1) SHANMUGAM ELANGO.  
(2) SHANTHA RAJARATHNAM.  
(3) VASANTHI RAMACHANDRAN  
(4) RAMAN KUMAR ROY.  
(5) KRISHNAN SANKARAN.  
(6) YERRAMILI VENKATA BAI A KRISHNA SUBRAHMANYAM.

Application No. 883/MAS/91 filed November 29, 1991.

Divisional to Patent AP No. 84/MAS 89. Ante-dated to 1-2-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**6 Claims**

A method for preparing a diagnostic kit for the detection of virulent bacteria in body fluids comprising:

(a) providing a growth medium such as tryptic soy broth or any equivalent thereof for growing a sample of the bacterium, containing an induction triggering factor such as congo red;

(b) providing a lysing solution containing lauryl sarcosine;

(c) providing a suitable adsorptive surface such as polystyrene used to coat the lysate;

(d) providing a reagent such as 0.2% bovine serum albumin or any equivalent thereof for blocking un-used surfaces;

(e) providing a washing solution containing phosphate buffered saline containing 0.2% Tween 20;

(f) providing antibody to shigella protein at suitable working dilution;

(g) providing a anti IgG antibody coupled to a reporter enzyme;

(h) providing a suitable chemical compound to detect the reporter enzyme colourimetrically;

(i) Packaging of the materials of a, b, c, d, e, f, g and h.

(Com. 37 pages;

Drwgs. 10 sheets)

Ind. Class : 32-C-[GROUP-IX(1)]

173613

Int. Cl.<sup>4</sup> : C 07 K 7/00**PROCESS FOR PREPARING A POLYPEPTIDE.**

Applicant : SHIKAGAKU KOGYO CO LTD. A JAPANESE BODY CORPORATE OF 2-1-5, NIHONBASHI-HONCHO, CHUO-KU, TOKYO, JAPAN.

Inventors : (1) NOBUTAKA FUJII  
(2) NAOKI YAMAMOTO

Application No 907/MAS/91 filed December 10, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**9 Claims**

Process for preparing a polypeptide represented by the following formula

$$1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10 \quad 11 \quad 12$$

$$A_1 - \text{Trp} - \text{Cys} - A_2 - A_3 - \text{Lys} - A_4 - A_5 - A_6 - \text{Gly} - A_7 - A_8 -$$

$$13 \quad 14 \quad 15 \quad 16 \quad 17 \quad 18$$

$$A_9 - A_{10} - A_{11} - \text{Cys} - \text{Arg} - A_{12}$$

in which

.....(I)

A<sub>1</sub> denotes a hydrogen atom or one or two amino acid residues of amino acids selected from lysine and arginine,

A<sub>2</sub> independently denotes a tyrosine, phenylalanine or tryptophan residue,

A<sub>3</sub> independently denotes an arginine or lysine residue.

A<sub>4</sub> independently denotes an alanine, valine, leucine, isoleucine, serine, cysteine or methionine residue,

A<sub>5</sub> denotes -OH (derived from the carboxyl group) or NH<sub>2</sub> (derived from the acid-amide group).

Cys denotes a cysteine residue,

Gly denotes a glycine residue,

Lys denotes a lysine residue,

Arg denotes an arginine residue, and

Trp denotes a tryptophan residue; and the cysteine residues at the 3 and 16 positions may be linked through a disulfide linkage (-S-S-); and when the 7- and 12- positions are both cysteine residues, these may be linked through a disulfide linkage (-S-S-); or a salt thereof, the said process comprises linking the carboxyl group of an N-protected arginine to an insoluble resin such as herein described directly or optionally through a spacer having a functional group capable of linking to the carboxyl group and a carboxyl group, successively coupling by a known solid phase synthetic method such as herein described, the respective protected amino acids of the 16-positions to the 1-position of the amino acid sequence represented by the formula I, and then eliminating in a known manner the insoluble resin and the protecting groups of the amino acids, and if necessary, forming disulfide linkage(s) (-S-S-) between the 3- and 16-positions and/or 7-and 12-positions when the 7-and 12-positions are both cysteine residues

(Com. 26 pages;

Drwg. 1 sheet)

Ind. Class : 32-F<sup>1</sup> [GROUP-IX(1)]

173614

Int. Cl.<sup>4</sup> : C 07 C 25/00

Inventors : (1) DOW DEBRA

(2) LATHROP ROBERT

A PROCESS AND AN APPARATUS FOR PREPARING PURIFIED WATER SOLUBLE NON-IONIC IODINATED COMPOUNDS FROM AN AQUEOUS SOLUTION.

Application No. 142/MAS/92 filed March 9, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Applicants : (1) BRACCO S.p.A., OF VIA E. FOLLI, 50 MILANO, ITALY AND (2) TECNOFARMACI S.p.A. OF PIAZZA INDIPENDENZA 24, POMEZIA, ITALY, BOTH COMPANIES ARE ORGANISED AND UNDER THE LAWS OF ITALY.

Inventors : (1) CARLO VISCARDI

(2) RODOLFO PIVA

Application No. 105/MAS/92 filed February 21, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A method for preparing a topical therapeutic composition, comprising the steps of combining (a) a gelled aqueous suspension initially at a pH of 3.5 to 7.0 containing benzoyl peroxide at a concentration in the range from 1% to 20%, a pharmaceutically acceptable base present in an amount sufficient to adjust the pH of the suspension to 4.0 to 5.0, and a gelling agent comprising a carboxylated polymer which provides a viscosity in the range from  $5 \times 10^4$  cp to  $9 \times 10^4$  cp at the pH with (b) an amount of an aqueous solution of a clindamycin salt or ester at a pH of 3.5 to 7 selected to provide a pH of the combination below 7 wherein the clindamycin is present in the combined composition at from 0.2% to 4% by weight.

(Com. 25 pages;

Drwg. 1 sheet)

16 Claims

A batch process for preparing purified water soluble non-ionic iodinated compounds useful as contrast agents, from an aqueous solution containing 15 to 60% by weight of the said iodinated compounds and contaminated with inorganic salts such as herein described and/or water-soluble residual organic reactants such as herein described and/or water soluble organic solvents such as herein described, the said process comprising the steps of separating the impurities by feeding the said aqueous solution into the first stage of a two-stage tangential filtration apparatus having permeable filtration membranes, allowing the filtrate of the first stage to flow into the second stage for continued filtration, diluting the retentate of the second stage with water, continuously recycling the said diluted retentate to the first stage to obtain a final retentate containing the purified water soluble non-ionic iodinated compounds, wherein the proportion of the diluting water does not exceed 12 kg per mole of the neutral organic compound being subjected to purification; the operative temperature of the filtering units ranges from 10 to 90°C; the operative pressure of the following units ranges from 1.5 to 5.5 MPa; the filtration parameters such as feed rate of the aqueous solution, feed rate of the water to be added for dilution and the retentates flow rates are regulated in correlation with the filtration membrane size and orosity grade such that the total amount of residual impurities present in the residual retentate of the first stage does not exceed 10% of the initial amount.

(Com. 21 pages;

Drwg. 1 sheet)

Ind. Class : 32-C-[GROUP-IX(1)]

173616

Int. Cl.<sup>4</sup> : C 07 K 15/00

A PROCESS FOR THE PRODUCTION OF A POLYPEPTIDE.

Applicants : (1) AMGEN INC., A DELAWARE CORPORATION, OF 1840 DEHAVILLAND DRIVE, THOUSAND OAKS, CALIFORNIA 91320-1789, U.S.A. AND (2) UNIVERSITY OF SOUTHERN CALIFORNIA, OF 3716

S. HOPE STREET # 313, LOS ANGELES, CALIFORNIA 9007-4344, U.S.A., A CALIFORNIAN CORPORATION.

Inventors : (1) WALTER NEAL BURNETTE

(2) HARVEY ROBIN KASLOW

Application No. 262/MAS/92 filed May 4, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A process for the production of polypeptide which is an analog of the catalytic subunit of cholera toxin which has reduced or no catalytic activity associated with cholera toxin reactogenicity, said process comprising the steps of cultivating, under suitable nutrient conditions, such as herein defined, prokaryotic or eucaryotic host cells transformed or transfected with a DNA vector having a DNA sequence encoding said polypeptide, and thereafter isolating the desired polypeptide therefrom in a known manner.

Ind. Class : 55-E2-[GROUP-XIX(1)]

173615

Int. Cl.<sup>4</sup> : A 61 K 31/00

A METHOD FOR PREPARING A TOPICAL THERAPEUTIC COMPOSITION.

Applicant : (1) BAROODY, LLOYD J., OF 1940, INVERNESS DRIVE, SCOTCH PLAINS, NEW JERSEY 07076, U.S.A. and (2) DOW GORDON J., OF 3868, LANEWOOD WAY, SANTO ROSA, CALIFORNIA 95404, U.S.A., BOTH ARE CITIZENS OF U.S.A.



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 1 ATGGTAAAGATAATATTTGTGTTTTTTATTTTCTTATCATCATTTTTCATATGCAAAATGAT 60  
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 X  
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 a  
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 11 ATGCCAAGAGGACAGAGTGAGTACTTTGACCGAGGTACTCAAATGAATATCAACCTTTAT 180  
 TACGGTTCTCCTGTCTCACTCATGAAACTGGCTCCATGAGTTTACTTATAGTTGGAAATA  
 M P R G Q S E Y F D R G T Q M N I N L Y  
 11 GATCATGCAAGAGGAACCTCAGACGGGATTTGTTAGGCACGATGATGSATATGTTTCCACC 240  
 CTAGTACCTTCTCCTTGAGTCTGCCCTAAACAATCCGTGCTACTACCTATACAAAGGTGG  
 D H A R G T O T G F V R H D D G Y V S T

FIG. 1A

B  
 s D  
 p rP  
 1 af  
 2 il  
 8 IM  
 6 II  
 I  
 241 TCAATTAGTTTGAGAAGTCCCCACTTAGTGGGTCAAACCTATATTGTCTGGTCATTCTACT 300  
 AGTTAATCAAACCTCTTCACGGGTGAATCACCCAGTTTGATATAACAGACCAGTAAGATGA  
 S I S L R S A H L V G Q T I L S G H S T  
 A  
 f N T  
 l s a  
 I p q  
 I H I  
 I I I  
 301 TATTATATATATGTTATAGCCACTGCACCCAACATGTTTAAACGTTAATGATGTATTAGGG 360  
 ATAATATATATACAATATCCGTGACGTGGGTTGTACAAATTGCAATTACTACATAATCCC  
 Y Y I Y V I A T A P N M F N V N D V L G  
 301 GCATACAGTCCTCATCCAGATGAACAAGAAGTTTCTCCTTIFAGGTGGGATTCCTACTCC 420  
 CGTATGTCAGGAGTAGGTCTACTTGTCTTCAAAGACGAAATCCACCCTAAGGTATGAGG  
 A Y S P H P D E Q E V S A L G G I P Y S

FIG. 1A

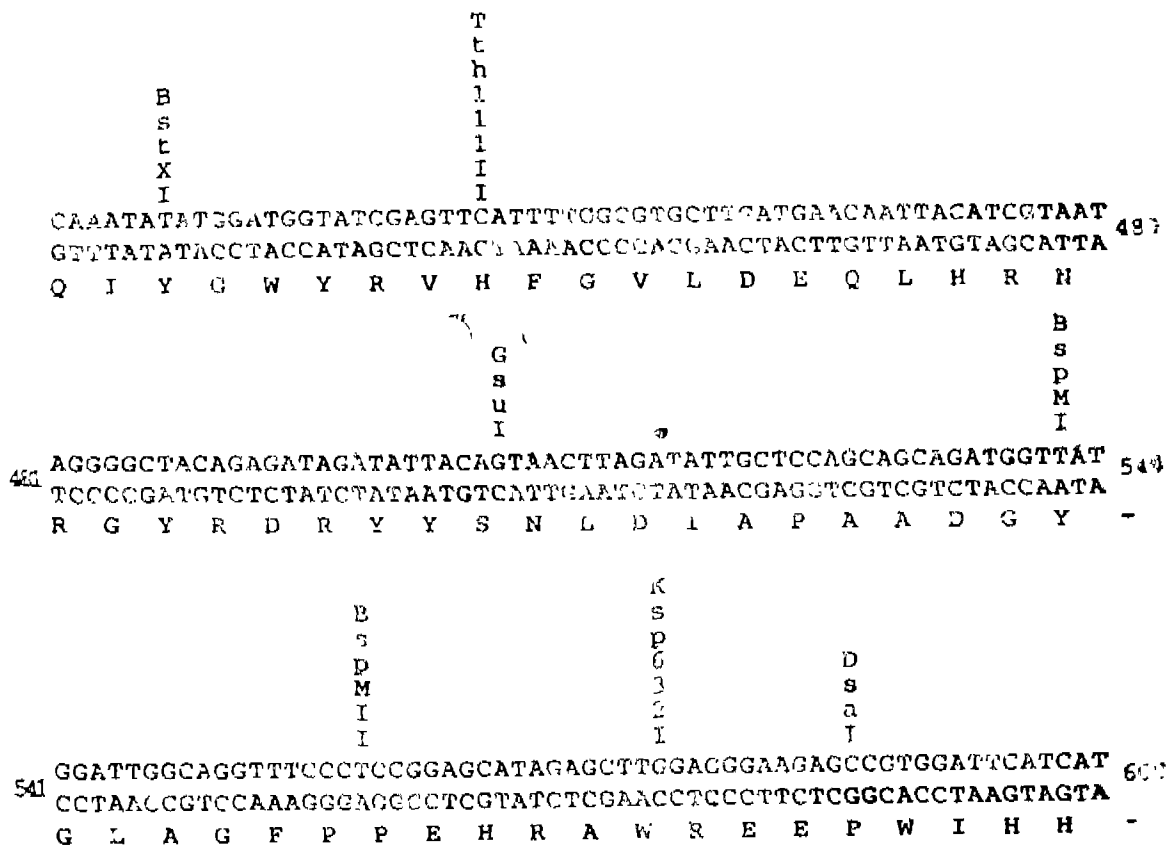


FIG. 1A

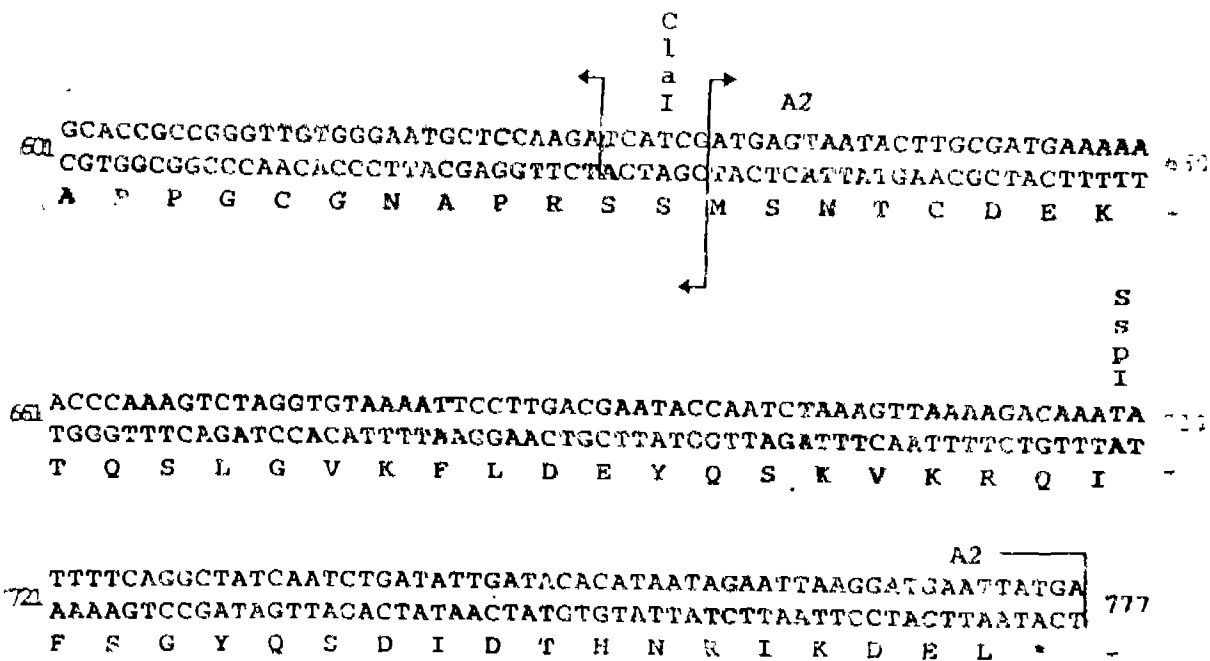


FIG. 1A

Ind Class 98 E [GROUP VII(2)]

173617

Int Cl<sup>4</sup> F 28 G 9/00

AN IMPROVED PROCESS FOR TREATING AQUEOUS SYSTEMS SUSCEPTIBLE TO FORMATION OF BIOFILMS AND RESULTANT BIO FOULING

Applicants & Inventors ALAN BELL THEIS & JONATHAN LEDLER CITIZENS OF THE UNITED STATES OF AMERICA, RESIDING RESPECTIVELY AT 300 ROLLING KNOLLS WAY, BRIDGEWATER 08807 & 95 OLD CROTON ROAD, FLEMINGTON 08822, BOTH IN THE STATE OF NEW JERSEY, USA

Application No 292, MAS/92 filed May 15 1992

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Madras Branch

9 Claims (No Drawing)

An improved process for treating aqueous systems susceptible to formation of bio films and resultant bio-fouling comprising flushing the said system with an aqueous solution containing 0.5 ppm to 1000 ppm by weight of ortho phthalaldehyde optionally in the presence of a water miscible organic cosolvent so as to inhibit or control the growth of microorganisms causing the said bio film and consequent bio fouling

(Com 19 pages)

Ind Class 55 E(4) [GROUP XIX(1)]

173618

Int Cl<sup>4</sup> A 61 K 35 00

A PROCESS FOR PREPARING AYURVEDIC COMPOSITION FOR INCREASING SEXUAL POWER

Applicant & Inventor GIRIVAS VISWANATH SHET, INDIAN NATIONAL, MYSORE SANDAL PRODUCTS, SREEL GOPALAKRISHNA TEMPLE BUILDING, POST BOX NO 27 AMARAVATHY, KOCHI-682001, KERALA

Application No 339 MAS/92 filed June 4, 1992

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch

2 Claims (No Drawing)

A process for preparing Ayurvedic Composition for increasing sexual power by intimately mixing the following ingredients by proportion of weight

- (a) Ashwagandha root Powder 100 gms
- (b) Abraga (in Blasma form) 100 mgs to 1 gms
- (c) Pippli (in powder form) 1 gm to 50 gms
- (d) Black Pepper 1 gm to 50 gms
- (e) Almond 1 gm to 100 gms
- (f) Isabgol 1 gm to 100 gms
- (g) Seed of Sesame 1 gm to 100 gms
- (h) Cashew nut (in powder form) 1 gm to 100 gms
- (i) Cardamom 1 gm to 100 gms

(Com 4 pages)

Ind Class 55 E [GROUP XIX(1)]

173619

Int Cl<sup>4</sup> A 61 K 35 78

A PROCESS FOR THE PRODUCTION OF AN ANTI-DIARRHOIC PRODUCT BASED ON CAROB

Applicant SOCIETE DES PRODUITS NESTLE S A A COMPANY INCORPORATED IN SWITZERLAND OF CASE POSTALE 353, 1800 VEVEY SWITZERLAND

Inventor REMI THOMAS

Application No 385/MAS/92 filed June 23 1992

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Madras Branch

3 Claims (No Drawing)

A process for producing anti diarrhoeic product based on carob wherein the carob seeds are shelled ground and extracted by extracting the ground carob beans with water separating the desugared carob beans which are subsequently dried and pulverised simultaneously by treatment with superheated steam which exceeds its saturation temperature by at least 60°C

(Com 16 pages)

Ind Class 32 F2(d) [GROUP IX(1)]

173620

Int Cl<sup>4</sup> C 07 D 213 00

251 00

A PROCESS FOR PREPARING A SUBSTITUTED PYRIDINESULFONAMIDE COMPOUND AND ITS SALT

Applicant ISHIIHARA SANGYO KAISHA LTD 322 EDOBORI 1 CHOME, NISHI-KU, OSAKA-SHI, OSAKA, JAPAN, A JAPANESE COMPANY

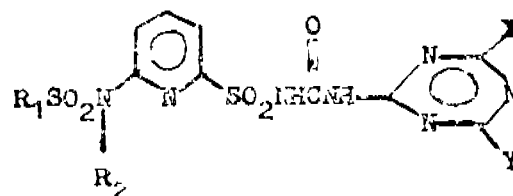
- Inventors
- (1) SHIGEO MURAI
  - (2) KAZUYUKI MAEDA
  - (3) YUJI NAKAMURA
  - (4) SHOOICHI HONZAWA
  - (5) TUMIO KANAMORI

Application No 161, MAS/93 filed March 4, 1993

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972), Patent Office Madras Branch

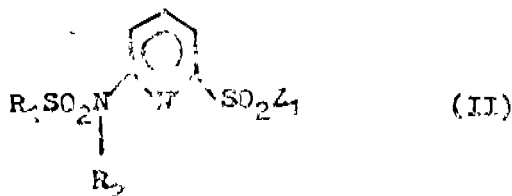
2 Claims (No drawing)

A process for preparing a substituted pyridinesulfonamide compounds of formula I



and its salt thereof wherein R<sub>1</sub> is an unsubstituted or substituted alkyl group, R<sub>2</sub> is an unsubstituted or substituted alkyl group, or an unsubstituted or substituted alkoxy group and X and Y are each independently a member

selected from the group consisting of alkyl groups and alkoxy groups, the said process comprises reacting at a temperature of 20 to 150 °C for 0.01 to 24 hours a substituted pyridine compound of formula (II)



wherein R1 and R2 are the same as defined above; and Z1 is a member selected from the group consisting of an -NH2 group, an -NCO group, and -NHCO-R3 groups wherein R3 is an alkyl or aryl group; with a triazin compound of formula (III)



wherein X and Y are the same as defined above; and Z2 is an -NH2 group when Z1 is an -NCO group or an -NHCO-R3 group, and is a member selected from the group consisting of an -NCO group and -NHC(R3)2 groups wherein R3 is the same as defined above, when Z1 is an -NH2 group to obtain the substituted pyridinesulfonamide compound and preparing the salt thereof in a known manner

Compl. 66 pages

#### CANCELLATION PROCEEDINGS (SECTION-51A)

An application made by N. V. Philips Gloeilampenfabrieken for cancellation of the registration of registered design No. 165017 in class 3 in the name of Sharad Natvarlal Shah".

PATENT SEALED ON 13-05-1994

170664 171954 172005 172006 172017 172076 172077 172212  
172218 172221 172222 172223 172224 172225 172226 172227  
172228 172230 172234 172237 172238 172243 172244 172252  
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CAL-05, MAS-22, BOM-00, DEL-12.

Patent shall be deemed to be endorsed with the words  
"INFORCE OF RIGHT Under Section 87 of the Patents Act,  
1970 from the date of expiration of three years from the  
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D--DRUG PATENT, F--FOOD PATENT.

#### RENEWAL FEES PAID

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#### CESSATION OF PATENTS

167145 167154 167166 167167 167187 167203 167207 167208  
167209 167221 167227 167230 167241 167245 167246 167266  
167273 167275 167277 167289 167316 167324 167330 167332  
167346 167362 167369 167378 167379 167383 167393 167402  
167404 167405 167443 167447

#### CESSATION OF PATENTS

155931 156030 158264 159025  
160689 162959 166067 169797

#### REGISTRATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169949 granted to Probhat Kumar for an invention relating to "device for cutting off light and heat through automobile view screen vehicle.

The Patent ceased on the 21st August, 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 21st May, 1994

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagdish Chandra Bose Road, Calcutta-700 020 on or before the 11th August, 94 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the fact upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Sec. 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries :

Class 1. No. 166745. Bharat Electricals Industries, a proprietary firm of G-53, Sector-6, Noida, U.P., India. "Heat Convector". January 24, 1994.

Class 3. No. 165979. Clearlite Plastic Industries of 207, Jafferbhoy Industrial Estate, Makwana Street, Andheri-Kurla Road, Andheri (E), Bombay-400059, Maharashtra, India, Indian Partnership Firm, "Luminaires". August 3, 1993.

Class 3. Nos 166228 to 166231. Interlego AG, a Swiss Company of Neuhoferstrasse 21, CH-6340 Baar, Switzerland. "Toy building esement". Sept. 22, 1993.

Copyright extended for the 2nd period of five years.

Nos. 163213, 163214, 163756, 163757, 163776, 163897, 163780 & 163781 — Class 3.

Copyright extended for the 3rd period of five years.

Nos. 163213, 163214, 163756, 163757, 163776, 163897, 163780 & 163781. — Class 3.

R. A. ACHARYA

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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1994

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